

# Priorities for Standardisation of Accessible User Interfaces

19th January 2012  
BSI, Chiswick, London

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# CEN TC224 WG6 User Interfaces

- Standardisation of the user interface of card operated devices
  - Automated Teller Machines
  - Point of Sale devices
  - Ticket Machines
  - Turnstiles and barriers
  - Logical or physical access
  - Kiosks and information displays
  - Personal devices?

# CEN TC224 WG6 delivered guidance

- EN 1332-1 User interface Dialog design principles
- EN 1332-2 Location & dimensions of a Tactile Identifier
- EN 1332-3 Keypads
- EN 1332-4 Coding of user requirements
- EN 1332-5 Tactile marking - services
- Technical Specification “Access”
- Technical Specification “eURI”

# When did it start?

- The first “cash dispenser” late 1960s
- The first online magnetic card operated ATM 1973
- POS terminals and barcode checkouts 1982

# The environment has changed

- What has changed?
  - Planning laws - Listed buildings
  - Colour/graphics/flat panel displays
  - Keyboards/Function keys ->Touch screens
  - Chip cards/contactless cards
  - Many options, services and choices
  - Self checkout
  - 2D bar codes
  - Mobile phones
  - Price

# What hasn't changed?

- High availability 24/7
- Security - encryption
- PINs and PIN pads
- Heavy safes
- Gravity
- Queues; timeout
- Customer diversity
  - Height
  - Mobility/preferences
  - Comprehension/multilingual/learning difficulties

# Have we been successful?



# Have we been successful?





# Agenda

- 10:00 10:15 Introduction by the chairman
- 10:15 10:45 Lessons from the Snapi Project
- 10:45 11:15 The APSIS4all Implementations of EN 1332 Standards
- 11:15 11:30 Coffee break
- 11:30 12:00 The Cardiac Roadmap on Future Research on Accessible User Interfaces
- 12:00 12:30 Future User Interface Issues for Biometric Systems
- 12:30 1:30 Lunch
- 1:30 2:00 Accessibility of Future Mobile Interfaces
- 2:00 2:30 Future Developments in User Interfaces and the Implications for People with Disabilities
- 2:30 2:45 Tea break
- 2:45 3:45 Group working
- 3:45 4:00 Report back

# Contact

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